APPENDIX A

HISTORICAL DATA

SWMU 194

Summary obtained from

Remedial Investigation Report for Waste Area Grouping 28 at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/OR/07-1846/V1 and V4&D1, January 2000

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Summary Report

SWMU 194 – McGraw Construction Facilities

Solid Waste Management Unit (SWMU) 194 is a flat, open area outside the security fence near the main plant entrance to the south and west of the G-333 Building. SWMU 194 was the site of the administrative portion of the McGraw construction facilities and was the site of several support facilities during the construction of PGDP. These facilities included an administration building (105,500 ft^2), cafeteria (10,200 ft^2), security guard headquarters (5360 ft^2), hospital (4480 ft^2), purchasing building (12,000 ft^2), paper and stationary warehouse (3900 ft^2), and a boiler house and two leach fields located west of Hobbs Road. All of the buildings have been demolished. The site is bounded on the north by Curlee Road, on the south by Patrol Road 4, and on the east by Patrol Road 5, and extends west of Hobbs Road. The total area is approximately 41.7 acres. It is mostly covered with grasses with a stand of trees to the west. There are no facilities or related development on the site.

Site evaluations of SWMU 194 were undertaken as part of the Northeast Plume Investigation, the Groundwater Phase IV Investigation, and the WAG 28 Remedial Investigation (RI). Eleven borings were completed within the boundaries of SWMU 194. Seven of those borings (194-2, 194-3, 194-5, 194-8, 194-9, 194-10, and 194-11) were completed within the immediate vicinity of the leach fields. Samples collected from borings 194-1 through 194-7 were analyzed for trichloroethene, 1,2-dichloroethene, benzene, toluene, ethylbenzene, xylene, polychlorinated biphenyls (PCBs), total petroleum hydrocarbons, selected metals, and gross alpha/beta. Samples collected from the remaining four borings were only analyzed for metals. No groundwater samples were collected from any of the borings. In addition, because any releases from the leach field would have been to the subsurface soils, no surface soil sampling was deemed necessary for characterization of the SWMU.

Metals detected in the shallow subsurface at SWMU 194 represent both naturally occurring conditions and possible releases to the subsurface. Aluminum was reported at levels ranging from 2,210 to 14,500 mg/kg. These aluminum levels detected at the site are considered to represent naturally occurring concentrations. Strontium was detected in the range of 2.86 to 26 mg/kg, and lithium was detected in the range of 2.11 to 9 mg/kg. Both metals exhibit decreasing concentrations with depth. The detected concentrations for both metals fall within the range for occurrence in natural soils as reported by the U.S. Geological Survey for surface soils in the contiguous United States. Cadmium was detected in the range of 8.55 to 18.1 mg/kg, and lead was detected in the range of 5.03 to 13 mg/kg. However, one sample reported a level of 360 mg/kg. These levels were reported as part of the Northeast Plume and Groundwater Phase IV Investigations and were not confirmed by the WAG 28 RI. As a result it is believed that the elevated levels of these two metals are likely confined to isolated areas. Chrome was detected in all of the samples analyzed. The reported range of chrome in the samples ranged from 7.95 to 103 mg/kg. The chrome reported from the site could represent small isolated releases to the substrate from the leach field.

Ethylbenzene and xylene were both detected in one sample at concentrations slightly above the analytical detection limit. PCBs were not detected in any of the samples analyzed. Gross alpha and gross beta were detected at reportable activities in all the samples analyzed. The maximum concentration reported for gross alpha was 2.5 pCi/g, while that for gross beta was 7.0 pCi/g.

Soil and sediment samples have been collected near Outfall 017. Samples collected and analyzed by the Army Corps of Engineers and U.S. Department of Energy (DOE)-Headquarters did not detect any PCBs. DOE sediment samples for radionuclides at Outfall 017 contained reportable quantities of alpha and beta activity as well as plutonium-239/240, technetium-99, and thorium-230. The alpha and beta activity were measured using two different methods, rad screening and environmental. The highest alpha

and beta results were 16.38 pCi/g and 7.49 pCi/g, respectively. The analysis for plutonium reported a result at 0.0244 pCi/g, technetium at 0.373 pCi/g, and thorium at 0.684 pCi/g. Additional samples were collected at the K-017 apron and flume. These samples were collected at 0–6 and 6–12 in. intervals. Results from all of these samples indicated uranium concentrations between 2 and 3 µg/g at an assay of 0.7% ^{235}U.

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per DOE/OR/07-1846/V1 and V4&D1, January 2000

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0002					
Station: 194-1	***Media:*** SOLID			***Depth:*** 10	
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0004					
Station: 194-1	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		13.6	mg/kg	XV
Lead	METAL		5.73	mg/kg	XV
Alpha activity	RADS		1900	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0035					
Station: 194-2	***Media:*** SOLID			***Depth:*** 5	
Cadmium	METAL		6.55	mg/kg	XV
Chromium	METAL		15.4	mg/kg	XV
Lead	METAL		20.2	mg/kg	XV
Polychlorinated biphenyl	PPCB	U	100	ug/kg	XV
Alpha activity	RADS		1900	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0036					
Station: 194-2	***Media:*** SOLID			***Depth:*** 10	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		13.6	mg/kg	XV
Lead	METAL		6.41	mg/kg	XV
Alpha activity	RADS		1800	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0036					
Station: 194-2	***Media:*** SOLID			***Depth:*** 10	
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0037					
Station: 194-2	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		67.6	mg/kg	XV
Lead	METAL		9.63	mg/kg	XV
Alpha activity	RADS		2200	pci/kg	XV
Beta activity	RADS		4000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0029					
Station: 194-3	***Media:*** SOLID			***Depth:*** 5	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		19.7	mg/kg	XV
Lead	METAL		7.17	mg/kg	XV
Polychlorinated biphenyl	PPCB	U	100	ug/kg	XV
Alpha activity	RADS		1800	pci/kg	XV
Beta activity	RADS		6000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV

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per DOE/OR/07-1846/V1 and V4&D1, January 2000

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0030					
Station: 194-3	***Media:*** SOLID		***Depth:*** 5.5		
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		13	mg/kg	XV
Lead	METAL	U	5	mg/kg	XV
Polychlorinated biphenyl	PPCB	U	100	ug/kg	XV
Alpha activity	RADS		2300	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0031					
Station: 194-3	***Media:*** SOLID		***Depth:*** 10		
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		12.1	mg/kg	XV
Lead	METAL	U	5	mg/kg	XV
Alpha activity	RADS		1500	pci/kg	XV
Beta activity	RADS		3000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0032					
Station: 194-3	***Media:*** SOLID		***Depth:*** 10.5		
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		12.7	mg/kg	XV
Lead	METAL		360	mg/kg	XV
Alpha activity	RADS		1800	pci/kg	XV
Beta activity	RADS		3000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0032					
Station: 194-3	***Media:*** SOLID		***Depth:*** 10.5		
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0033					
Station: 194-3	***Media:*** SOLID		***Depth:*** 15		
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		103	mg/kg	XV
Lead	METAL		9.55	mg/kg	XV
Alpha activity	RADS		1500	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0034					
Station: 194-3	***Media:*** SOLID		***Depth:*** 15.5		
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		51.7	mg/kg	XV
Lead	METAL	U	5	mg/kg	XV
Alpha activity	RADS		1900	pci/kg	XV
Beta activity	RADS		6000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA		5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0026					
Station: 194-4	***Media:*** SOLID		***Depth:*** 5		
Cadmium	METAL	U	5	mg/kg	XV

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SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0026					
Station: 194-4	***Media:*** SOLID			***Depth:*** 5	
Chromium	METAL		14.7	mg/kg	XV
Lead	METAL		8.63	mg/kg	XV
Alpha activity	RADS		1400	pci/kg	XV
Beta activity	RADS		4000	pci/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Sample ID: 1110101-0027					
Station: 194-4	***Media:*** SOLID			***Depth:*** 10	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		13.8	mg/kg	XV
Lead	METAL		7.4	mg/kg	XV
Alpha activity	RADS		1800	pci/kg	XV
Beta activity	RADS		7000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0028					
Station: 194-4	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		12.2	mg/kg	XV
Lead	METAL	U	5	mg/kg	XV
Alpha activity	RADS		2400	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0039					
Station: 194-5	***Media:*** SOLID			***Depth:*** 5	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		17.1	mg/kg	XV
Lead	METAL		5.03	mg/kg	XV
Polychlorinated biphenyl	PPCB	U	100	ug/kg	XV
Alpha activity	RADS		1400	pci/kg	XV
Beta activity	RADS		4000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0040					
Station: 194-5	***Media:*** SOLID			***Depth:*** 10	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		17.2	mg/kg	XV
Lead	METAL		10.3	mg/kg	XV
Alpha activity	RADS		1500	pci/kg	XV
Beta activity	RADS		3000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0041					
Station: 194-5	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		21.9	mg/kg	XV
Lead	METAL		6.29	mg/kg	XV
Alpha activity	RADS		1200	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV

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SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0014					
Station: 194-6	***Media:*** SOLID			***Depth:*** 5	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		19	mg/kg	XV
Lead	METAL		7.87	mg/kg	XV
Polychlorinated biphenyl	PPCB	U	100	ug/kg	XV
Alpha activity	RADS		1600	pci/kg	XV
Beta activity	RADS		6000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0015					
Station: 194-6	***Media:*** SOLID			***Depth:*** 10	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		18.6	mg/kg	XV
Lead	METAL		8.53	mg/kg	XV
Alpha activity	RADS		1500	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0016					
Station: 194-6	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		15.5	mg/kg	XV
Lead	METAL		8.42	mg/kg	XV
Alpha activity	RADS		2500	pci/kg	XV
Beta activity	RADS		4000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV

SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0016					
Station: 194-6	***Media:*** SOLID			***Depth:*** 15	
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	6	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0009					
Station: 194-7	***Media:*** SOLID			***Depth:*** 10	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		22.2	mg/kg	XV
Lead	METAL		13	mg/kg	XV
Alpha activity	RADS		2300	pci/kg	XV
Beta activity	RADS		4000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA		15	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0010					
Station: 194-7	***Media:*** SOLID			***Depth:*** 15	
Cadmium	METAL	U	5	mg/kg	XV
Chromium	METAL		17	mg/kg	XV
Lead	METAL		6.84	mg/kg	XV
Alpha activity	RADS		2100	pci/kg	XV
Beta activity	RADS		5000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV
Sample ID: 1110101-0013					
Station: 194-7	***Media:*** SOLID			***Depth:*** 5	
Cadmium	METAL	U	5	mg/kg	XV

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SWMU 194

Analyte	Analysis	Lab Qualifier and Result		Units	Validation Qualifier
Sample ID: 1110101-0013					
Station: 194-7	***Media:*** SOLID			***Depth:*** 5	
Chromium	METAL		18.1	mg/kg	XV
Lead	METAL		12.3	mg/kg	XV
Alpha activity	RADS		2400	pci/kg	XV
Beta activity	RADS		6000	pci/kg	XV
1,1,1-Trichloroethane	VOA	U	1	ug/kg	XV
1,2-Dichloroethene	VOA	U	5	ug/kg	XV
Benzene	VOA	U	5	ug/kg	XV
Dimethylbenzene	VOA	U	5	ug/kg	XV
Ethylbenzene	VOA	U	5	ug/kg	XV
Toluene	VOA	U	5	ug/kg	XV
Trichloroethene	VOA	U	1	ug/kg	XV

Table 4.19 Inorganic compounds detected above BG in soil at SWMU 194

Sample ID	Sample Interval (ft bgs) Top	Bottom	Analytical Compound	Results (mg/kg)	Lab Qualifier	Validation Qualifier	Data Assessment	BG (mg/kg)
194008SA005	2	5	Beryllium	0.83		X		0.69
	2	5	Calcium	6810	NW	X		6100
	2	5	Chromium	13.4		X		43
	2	5	Lithium	8.1**		X		N/A
	2	5	Strontium	28	*N	X		N/A
	2	5	Zinc	62.6	*N	X		60
194008SA010	7	10	Chromium	14.4		X		43
	7	10	Lithium	6.86**		X		N/A
	7	10	Strontium	15.9	*N	X		N/A
194008SA015	12	15	Chromium	11.7		X		43
	12	15	Lithium	4.69**		X		N/A
	12	15	Strontium	7.12	*N	X		N/A
194009SA005	2	5	Beryllium	0.73		X		0.69
	2	5	Chromium	15.4		X		43
	2	5	Lithium	8.75**		X		N/A
	2	5	Strontium	17	*N	X		N/A
194009SA010	7	10	Chromium	13.5		X		43
	7	10	Lithium	6.87**		X		N/A
	7	10	Strontium	13.4	*N	X		N/A
194009SA015	12	15	Chromium	8.25		X		43
	12	15	Lithium	2.11**		X		N/A
	12	15	Strontium	4.4		X		N/A
194009SD015	12	15	Chromium	11.5		X		43
	12	15	Lithium	3.23**		X		N/A
	12	15	Strontium	5.44		X		N/A
194010SA005	2	5	Aluminum	14500**	*NW	X		12000

*** - Result exceeds EPA's soil screening values, Recommended Dietary Allowances for children or comparison values do not exist for analyte.*
N/A - Background value does not exist

Table 4.19 Inorganic compounds detected above BG in soil at SWMU 194

Sample ID	Sample Interval (ft bgs) Top	Bottom	Analytical Compound	Laboratory	Method	Results (mg/kg)	Lab Qualifier	Validation Qualifier	Data Assessment	BG (mg/kg)
194010SA005	2	5	Beryllium	PGDP	SW846-6010A	0.83		X		0.69
	2	5	Chromium	PGDP	SW846-6010A	17.4		X		43
	2	5	Lithium	PGDP	SW846-6010A	9**		X		N/A
	2	5	Magnesium	PGDP	SW846-6010A	2330	*NW	X		2100
	2	5	Sodium	PGDP	SW846-6010A	364		X		340
	2	5	Strontium	PGDP	SW846-6010A	16.8	*N	X		N/A
	2	5	Zinc	PGDP	SW846-6010A	67.6	*N	X		60
194010SA010	7	10	Chromium	PGDP	SW846-6010A	13.7		X		43
	7	10	Lithium	PGDP	SW846-6010A	7.17**		X		N/A
	7	10	Sodium	PGDP	SW846-6010A	363		X		340
	7	10	Strontium	PGDP	SW846-6010A	12.2	*N	X		N/A
194010SA015	12	15	Aluminum	PGDP	SW846-6010A	12700**	*NW	X		12000
	12	15	Chromium	PGDP	SW846-6010A	8.24		X		43
	12	15	Lithium	PGDP	SW846-6010A	6.68**		X		N/A
	12	15	Strontium	PGDP	SW846-6010A	7.46	*N	X		N/A
194011SA005	2	5	Beryllium	PGDP	SW846-6010A	4.8		X		0.69
	2	5	Chromium	PGDP	SW846-6010A	15.1		X		43
	2	5	Lithium	PGDP	SW846-6010A	8.84**		X		N/A
	2	5	Magnesium	PGDP	SW846-6010A	2340	*NW	X		2100
	2	5	Sodium	PGDP	SW846-6010A	369		X		340
	2	5	Strontium	PGDP	SW846-6010A	16.4	*N	X		N/A
194011SA010	7	10	Chromium	PGDP	SW846-6010A	11.4		X		43
	7	10	Lithium	PGDP	SW846-6010A	4.78**		X		N/A
	7	10	Sodium	PGDP	SW846-6010A	324		X		340
	7	10	Strontium	PGDP	SW846-6010A	9.16	*N	X		N/A
194011SA015	12	15	Chromium	PGDP	SW846-6010A	21.3		X		43

*** - Result exceeds EPA's soil screening values, Recommended Dietary Allowances for children or comparison values do not exist for analyte.*
N/A - Background value does not exist

Table 4.20 Radioactive isotopes detected above BG in soil at AOC 204

Sample Type	Analytical Group	Sample ID	Sample Interval (ft bgs) Top	Bottom	Analytical Compound	Results (pci/g)	Lab Qualifier	Validation Qualifier	Data Assessment	BG (pci/g)
None										

AOC 204 samples not containing any detectable radioactive isotopes above BG are:

204028SA005	204028SA010	204028SA015	204028SA020	204028SA025	204028SA030
204028SA035	204028SA040	204028SA045	204028SA050	204028SA055	204028SA060
204028SD010	204030SA005C	204030SA010C	204030SA015C	204030SA020C	204030SA025C
204030SA030C	204030SA035C	204030SA040C	204030SA045C	204030SA050C	204030SA055C
204030SA060C	204030SA065C	204030SA070C	204030SA075C	204030SD040C	

*** - Result exceeds EPA's soil screening values, Recommended Dietary Allowances for children or comparison values do not exist for analyte.*
N/A - Background value does not exist

Tuesday, January 18, 2000

Table 4.19 Inorganic compounds detected above BG in soil at SWMU 194

Sample ID	Sample Interval (ft bgs) Top	Bottom	Analytical Compound	Laboratory	Method	Results (mg/kg)	Lab Qualifier	Validation Qualifier	Data Assessment	BG (mg/kg)
194011SA015	12	15	Lithium	PGDP	SW846-6010A	2.41**		X		N/A
	12	15	Strontium	PGDP	SW846-6010A	3.92	*N	X		N/A
194008SA020	17	20	Chromium	PGDP	SW846-6010A	16.3		X		43
	17	20	Lithium	PGDP	SW846-6010A	2.66**		X		N/A
	17	20	Strontium	PGDP	SW846-6010A	4.06	*N	X		N/A
194008SA030	27	30	Chromium	PGDP	SW846-6010A	20.8		X		43
194009SA020	17	20	Chromium	PGDP	SW846-6010A	26.2		X		43
	17	20	Strontium	PGDP	SW846-6010A	5.98		X		N/A
194009SA030	27	30	Chromium	PGDP	SW846-6010A	7.95		X		43
194010SA020	17	20	Aluminum	PGDP	SW846-6010A	13900**	*NW	X		12000
	17	20	Beryllium	PGDP	SW846-6010A	0.89		X		0.69
	17	20	Chromium	PGDP	SW846-6010A	26.4		X		43
	17	20	Lithium	PGDP	SW846-6010A	5.94**		X		N/A
	17	20	Sodium	PGDP	SW846-6010A	360		X		340
	17	20	Strontium	PGDP	SW846-6010A	7.33	*N	X		N/A
	17	20	Vanadium	PGDP	SW846-6010A	45		X		37
194010SA030	27	30	Beryllium	PGDP	SW846-6010A	1.17		X		0.69
	27	30	Chromium	PGDP	SW846-6010A	53.7**		X		43
	27	30	Lithium	PGDP	SW846-6010A	2.33**		X		N/A
	27	30	Vanadium	PGDP	SW846-6010A	63		X		37
194011SA020	17	20	Chromium	PGDP	SW846-6010A	23.3		X		43
	17	20	Strontium	PGDP	SW846-6010A	2.86	*N	X		N/A
	17	20	Vanadium	PGDP	SW846-6010A	44.8		X		37
194011SA030	27	30	Beryllium	PGDP	SW846-6010A	1.28		X		0.69
	27	30	Chromium	PGDP	SW846-6010A	44.1**		X		43
	27	30	Iron	PGDP	SW846-6010A	31700	*NW	X		28000

*** - Result exceeds EPA's soil screening values, Recommended Dietary Allowances for children or comparison values do not exist for analyte.*
N/A - Background value does not exist

Table 4.19 Inorganic compounds detected above BG in soil at SWMU 194

Sample ID	Sample Interval (ft bgs) Top	Bottom	Analytical Compound	Laboratory	Method	Results (mg/kg)	Lab Qualifier	Validation Qualifier	Data Assessment	BG (mg/kg)
194011SA030	27	30	Vanadium	PGDP	SW846-6010A	57.4		X		37
	27	30	Zinc	PGDP	SW846-6010A	61.8	*N	X		60

SWMU 194 samples not containing any detectable inorganic compounds above BG are:

(All SWMU 194 samples analyzed for inorganic compounds contained at least one detected analyte.)

*** - Result exceeds EPA's soil screening values, Recommended Dietary Allowances for children or comparison values do not exist for analyte.*
N/A - Background value does not exist

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SWMU 194 78 Analytical Results

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194008SA005				
Station: 194-008	MEDIA: SO		Depth = 2 to 5 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	10200mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	W	6.73mg/kg	X/
Barium	PGDP-SW846-6010A	N	123mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.83mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	6810mg/kg	X/
Chromium	PGDP-SW846-6010A		13.4mg/kg	X/
Cobalt	PGDP-SW846-6010A		9.3mg/kg	X/
Copper	PGDP-SW846-6010A		13.2mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	17900mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		8.1mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1700mg/kg	X/
Manganese	PGDP-SW846-6010A		467mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		12mg/kg	X/
Potassium	PGDP-SW846-6010A	N	538mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	26mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		22.6mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	62.6mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194008SA010				
Station: 194-008	MEDIA: SO		Depth = 7 to 10 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	8310mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	93.8mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.54mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	1930mg/kg	X/
Chromium	PGDP-SW846-6010A		14.4mg/kg	X/
Cobalt	PGDP-SW846-6010A		2.98mg/kg	X/
Copper	PGDP-SW846-6010A		7.67mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	9740mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		6.86mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1330mg/kg	X/
Manganese	PGDP-SW846-6010A		127mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		7.58mg/kg	X/
Potassium	PGDP-SW846-6010A	N	367mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		210mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	15.9mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		19.8mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	43.3mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194008SA015				
Station: 194-008	MEDIA: SO		Depth = 12 to 15 fe	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	8710mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	38.3mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.56mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	1003mg/kg	X/
Chromium	PGDP-SW846-6010A		11.7mg/kg	X/
Cobalt	PGDP-SW846-6010A		6.75mg/kg	X/
Copper	PGDP-SW846-6010A		2.53mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	15600mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		4.69mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	722mg/kg	X/
Manganese	PGDP-SW846-6010A		127mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		7.5mg/kg	X/
Potassium	PGDP-SW846-6010A	N	246mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		260mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	7.12mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		16.2mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	15.7mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

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SWMU 194 - W/ :8 Analytical Results

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194008SA020					
Station: 194-008	MEDIA: SO		Depth = 17 to 20 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	6530	mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	X/
Barium	PGDP-SW846-6010A	N	19.9	mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.53	mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100	mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	751	mg/kg	X/
Chromium	PGDP-SW846-6010A		16.3	mg/kg	X/
Cobalt	PGDP-SW846-6010A		2.53	mg/kg	X/
Copper	PGDP-SW846-6010A		2.46	mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	12700	mg/kg	X/
Lead	PGDP-SW846-6010A	U	20	mg/kg	X/
Lithium	PGDP-SW846-6010A		2.66	mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	482	mg/kg	X/
Manganese	PGDP-SW846-6010A		41.3	mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5	mg/kg	X/
Potassium	PGDP-SW846-6010A	N	136	mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1	mg/kg	X/
Silver	PGDP-SW846-6010A	U	4	mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200	mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	4.06	mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	X/
Vanadium	PGDP-SW846-6010A		23.7	mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	16.3	mg/kg	X/
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1	mg/kg	X/

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194008SA030					
Station: 194-008	MEDIA: SO		Depth = 27 to 30 feet		
METAL					
Aluminum	PGDP-SW846-6010A	NW	2210	mg/kg	X/
Antimony	PGDP-SW846-6010A	*NU	20	mg/kg	X/
Arsenic	PGDP-SW846-7060	W	6.97	mg/kg	X/
Barium	PGDP-SW846-6010A		7.72	mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.55	mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100	mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	X/
Calcium	PGDP-SW846-6010A		248	mg/kg	X/
Chromium	PGDP-SW846-6010A		20.8	mg/kg	X/
Cobalt	PGDP-SW846-6010A		1.89	mg/kg	X/
Copper	PGDP-SW846-6010A	U	2	mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	9610	mg/kg	X/
Lead	PGDP-SW846-6010A	U	20	mg/kg	X/
Lithium	PGDP-SW846-6010A	U	2	mg/kg	X/
Magnesium	PGDP-SW846-6010A		110	mg/kg	X/
Manganese	PGDP-SW846-6010A	*	17.2	mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5	mg/kg	X/
Potassium	PGDP-SW846-6010A	U	100	mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1	mg/kg	X/
Silver	PGDP-SW846-6010A	U	4	mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200	mg/kg	X/
Strontium	PGDP-SW846-6010A	U	2	mg/kg	X/
Thallium	PGDP-SW846-6010A	U	15	mg/kg	X/
Vanadium	PGDP-SW846-6010A		27.5	mg/kg	X/
Zinc	PGDP-SW846-6010A	U	15	mg/kg	X/
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1	mg/kg	X/

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194009SA005					
Station: 194-009	MEDIA: SO		Depth = 2 to 5 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	10100	mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	X/
Barium	PGDP-SW846-6010A	N	139	mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.73	mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100	mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	2550	mg/kg	X/
Chromium	PGDP-SW846-6010A		15.4	mg/kg	X/
Cobalt	PGDP-SW846-6010A		7.56	mg/kg	X/
Copper	PGDP-SW846-6010A		11.8	mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	15700	mg/kg	X/
Lead	PGDP-SW846-6010A	U	20	mg/kg	X/
Lithium	PGDP-SW846-6010A		8.75	mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1670	mg/kg	X/
Manganese	PGDP-SW846-6010A		254	mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	X/
Nickel	PGDP-SW846-6010A		13.7	mg/kg	X/
Potassium	PGDP-SW846-6010A	N	577	mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1	mg/kg	X/
Silver	PGDP-SW846-6010A	U	4	mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200	mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	17	mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	X/
Vanadium	PGDP-SW846-6010A		25.8	mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	47.6	mg/kg	X/
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	U	0.5	mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1	mg/kg	X/

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SWMU 194 28 Analytical Results

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194009SA010				
Station: 194-009	MEDIA: SO		Depth = 7 to 10 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	9130mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	81mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	1510mg/kg	X/
Chromium	PGDP-SW846-6010A		13.5mg/kg	X/
Cobalt	PGDP-SW846-6010A		2.52mg/kg	X/
Copper	PGDP-SW846-6010A		6mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	6940mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		6.87mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1240mg/kg	X/
Manganese	PGDP-SW846-6010A		57.1mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		5.74mg/kg	X/
Potassium	PGDP-SW846-6010A	N	322mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	13.4mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		19.3mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	22.3mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194009SA015				
Station: 194-009	MEDIA: SO		Depth = 12 to 15 feet	
METAL				
Aluminum	PGDP-SW846-6010A	NW	4680mg/kg	X/
Antimony	PGDP-SW846-6010A	*NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A		24.2mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A		690mg/kg	X/
Chromium	PGDP-SW846-6010A		8.25mg/kg	X/
Cobalt	PGDP-SW846-6010A		2.75mg/kg	X/
Copper	PGDP-SW846-6010A		3.12mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	11600mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		2.11mg/kg	X/
Magnesium	PGDP-SW846-6010A		459mg/kg	X/
Manganese	PGDP-SW846-6010A	*	40.7mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A		180mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		211mg/kg	X/
Strontium	PGDP-SW846-6010A		4.4mg/kg	X/
Thallium	PGDP-SW846-6010A	U	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		18.6mg/kg	X/
Zinc	PGDP-SW846-6010A		16.1mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194009SA020				
Station: 194-009	MEDIA: SO		Depth = 17 to 20 feet	
METAL				
Aluminum	PGDP-SW846-6010A	NW	4460mg/kg	X/
Antimony	PGDP-SW846-6010A	*NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A		18.2mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A		771mg/kg	X/
Chromium	PGDP-SW846-6010A		26.2mg/kg	X/
Cobalt	PGDP-SW846-6010A		1.45mg/kg	X/
Copper	PGDP-SW846-6010A		2.72mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	6880mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A	U	2mg/kg	X/
Magnesium	PGDP-SW846-6010A		393mg/kg	X/
Manganese	PGDP-SW846-6010A	*	19.4mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A		158mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		216mg/kg	X/
Strontium	PGDP-SW846-6010A		5.98mg/kg	X/
Thallium	PGDP-SW846-6010A	U	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		18.6mg/kg	X/
Zinc	PGDP-SW846-6010A		18.5mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

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Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194009SA030				
Station: 194-009	MEDIA: SO		Depth = 27 to 30 feet	
METAL				
Aluminum	PGDP-SW846-6010A	NW	3370mg/kg	X/
Antimony	PGDP-SW846-6010A	*NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A		11.2mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A		315mg/kg	X/
Chromium	PGDP-SW846-6010A		7.95mg/kg	X/
Cobalt	PGDP-SW846-6010A		1.15mg/kg	X/
Copper	PGDP-SW846-6010A	U	2mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	5490mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A	U	2mg/kg	X/
Magnesium	PGDP-SW846-6010A		143mg/kg	X/
Manganese	PGDP-SW846-6010A	*	14.8mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A		101mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A	U	200mg/kg	X/
Strontium	PGDP-SW846-6010A	U	2mg/kg	X/
Thallium	PGDP-SW846-6010A	U	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		10mg/kg	X/
Zinc	PGDP-SW846-6010A	U	15mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194009SD015				
Station: 194-009	MEDIA: SO		Depth = 12 to 15 feet	
METAL				
Aluminum	PGDP-SW846-6010A	NW	6430mg/kg	X/
Antimony	PGDP-SW846-6010A	*NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A		27.5mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A		796mg/kg	X/
Chromium	PGDP-SW846-6010A		11.5mg/kg	X/
Cobalt	PGDP-SW846-6010A		2.68mg/kg	X/
Copper	PGDP-SW846-6010A		3.62mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	9380mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		3.23mg/kg	X/
Magnesium	PGDP-SW846-6010A		556mg/kg	X/
Manganese	PGDP-SW846-6010A	*	35.7mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A		228mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		242mg/kg	X/
Strontium	PGDP-SW846-6010A		5.44mg/kg	X/
Thallium	PGDP-SW846-6010A	U	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		18.1mg/kg	X/
Zinc	PGDP-SW846-6010A		18.1mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194010SA005				
Station: 194-010	MEDIA: SO		Depth = 2 to 5 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	14500mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	125mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.83mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	777mg/kg	X/
Chromium	PGDP-SW846-6010A		17.4mg/kg	X/
Cobalt	PGDP-SW846-6010A		9.46mg/kg	X/
Copper	PGDP-SW846-6010A		16.7mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	20000mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		9mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	2330mg/kg	X/
Manganese	PGDP-SW846-6010A		326mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		11.9mg/kg	X/
Potassium	PGDP-SW846-6010A	N	616mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		364mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	16.8mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		23.9mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	67.6mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

*V/A = Validation/Assessment

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Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194010SA010				
Station: 194-010	MEDIA: SO		Depth = 7 to 10 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	8800mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	87.8mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	1390mg/kg	X/
Chromium	PGDP-SW846-6010A		13.7mg/kg	X/
Cobalt	PGDP-SW846-6010A		3.94mg/kg	X/
Copper	PGDP-SW846-6010A		6.54mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	8580mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		7.17mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1340mg/kg	X/
Manganese	PGDP-SW846-6010A		112mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A		7.26mg/kg	X/
Potassium	PGDP-SW846-6010A	N	303mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		363mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	12.2mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		18.5mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	28.2mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17 JU		0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194010SA015				
Station: 194-010	MEDIA: SO		Depth = 12 to 15 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	12700mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	37.2mg/kg	X/
Beryllium	PGDP-SW846-6010A	U	0.5mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	980mg/kg	X/
Chromium	PGDP-SW846-6010A		8.24mg/kg	X/
Cobalt	PGDP-SW846-6010A		4.55mg/kg	X/
Copper	PGDP-SW846-6010A		3.48mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	8950mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		6.68mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	831mg/kg	X/
Manganese	PGDP-SW846-6010A		36.8mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A	N	311mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		315mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	7.46mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		17.5mg/kg	X/
Zinc	PGDP-SW846-6010A	*NU	15mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17 JU		0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

Analysis	Method	Lab Qualifier and Result	Units	V/A* Codes
Sample ID: 194010SA020				
Station: 194-010	MEDIA: SO		Depth = 17 to 20 feet	
METAL				
Aluminum	PGDP-SW846-6010A	*NW	13900mg/kg	X/
Antimony	PGDP-SW846-6010A	NU	20mg/kg	X/
Arsenic	PGDP-SW846-7060	UW	5mg/kg	X/
Barium	PGDP-SW846-6010A	N	37.1mg/kg	X/
Beryllium	PGDP-SW846-6010A		0.89mg/kg	X/
Boron	PGDP-SW846-6010A	NU	100mg/kg	X/
Cadmium	PGDP-SW846-6010A	U	2mg/kg	X/
Calcium	PGDP-SW846-6010A	NW	1620mg/kg	X/
Chromium	PGDP-SW846-6010A		26.4mg/kg	X/
Cobalt	PGDP-SW846-6010A		3.96mg/kg	X/
Copper	PGDP-SW846-6010A		4.56mg/kg	X/
Iron	PGDP-SW846-6010A	*NW	16300mg/kg	X/
Lead	PGDP-SW846-6010A	U	20mg/kg	X/
Lithium	PGDP-SW846-6010A		5.94mg/kg	X/
Magnesium	PGDP-SW846-6010A	*NW	1000mg/kg	X/
Manganese	PGDP-SW846-6010A		69.8mg/kg	X/
Mercury	PGDP-SW846-7471	U	0.2mg/kg	X/
Nickel	PGDP-SW846-6010A	U	5mg/kg	X/
Potassium	PGDP-SW846-6010A	N	263mg/kg	X/
Selenium	PGDP-SW846-7740	UW	1mg/kg	X/
Silver	PGDP-SW846-6010A	U	4mg/kg	X/
Sodium	PGDP-SW846-6010A		360mg/kg	X/
Strontium	PGDP-SW846-6010A	*N	7.33mg/kg	X/
Thallium	PGDP-SW846-6010A	NU	15mg/kg	X/
Vanadium	PGDP-SW846-6010A		45mg/kg	X/
Zinc	PGDP-SW846-6010A	*N	22mg/kg	X/
WETCHEM				
Chromium, hexavalent	PGDP-SM-3500-Cr D 17 JU		0.5mg/kg	X/
Cyanide	PGDP-SW846-9014	U	1mg/kg	X/

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Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194010SA030					
Station: 194-010	MEDIA: SO		Depth = 27 to 30 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	4510	mg/kg	XJ
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	XJ
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	XJ
Barium	PGDP-SW846-6010A	N	13	mg/kg	XJ
Beryllium	PGDP-SW846-6010A		1.17	mg/kg	XJ
Boron	PGDP-SW846-6010A	NU	100	mg/kg	XJ
Cadmium	PGDP-SW846-6010A	U	3	mg/kg	XJ
Calcium	PGDP-SW846-6010A	NW	269	mg/kg	XJ
Chromium	PGDP-SW846-6010A		53.7	mg/kg	XJ
Cobalt	PGDP-SW846-6010A		4.04	mg/kg	XJ
Copper	PGDP-SW846-6010A		2.51	mg/kg	XJ
Iron	PGDP-SW846-6010A	*NW	20700	mg/kg	XJ
Lead	PGDP-SW846-6010A	U	20	mg/kg	XJ
Lithium	PGDP-SW846-6010A		2.33	mg/kg	XJ
Magnesium	PGDP-SW846-6010A	*NW	164	mg/kg	XJ
Manganese	PGDP-SW846-6010A		24	mg/kg	XJ
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	XJ
Nickel	PGDP-SW846-6010A		7.18	mg/kg	XJ
Potassium	PGDP-SW846-6010A	N	109	mg/kg	XJ
Selenium	PGDP-SW846-7740	UW	1	mg/kg	XJ
Silver	PGDP-SW846-6010A	U	4	mg/kg	XJ
Sodium	PGDP-SW846-6010A	U	200	mg/kg	XJ
Strontium	PGDP-SW846-6010A	*NU	7	mg/kg	XJ
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	XJ
Vanadium	PGDP-SW846-6010A		63	mg/kg	XJ
Zinc	PGDP-SW846-6010A	*N	26.2	mg/kg	XJ
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	XJ
Cyanide	PGDP-SW846-9014	U	1	mg/kg	XJ

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194011SA005					
Station: 194-011	MEDIA: SO		Depth = 2 to 5 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	11300	mg/kg	XJ
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	XJ
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	XJ
Barium	PGDP-SW846-6010A	N	82.4	mg/kg	XJ
Beryllium	PGDP-SW846-6010A		4.8	mg/kg	XJ
Boron	PGDP-SW846-6010A	NU	100	mg/kg	XJ
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	XJ
Calcium	PGDP-SW846-6010A	NW	1240	mg/kg	XJ
Chromium	PGDP-SW846-6010A		15.1	mg/kg	XJ
Cobalt	PGDP-SW846-6010A		3.46	mg/kg	XJ
Copper	PGDP-SW846-6010A		9.51	mg/kg	XJ
Iron	PGDP-SW846-6010A	*NW	13600	mg/kg	XJ
Lead	PGDP-SW846-6010A	U	20	mg/kg	XJ
Lithium	PGDP-SW846-6010A		8.84	mg/kg	XJ
Magnesium	PGDP-SW846-6010A	*NW	2340	mg/kg	XJ
Manganese	PGDP-SW846-6010A		210	mg/kg	XJ
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	XJ
Nickel	PGDP-SW846-6010A		10.9	mg/kg	XJ
Potassium	PGDP-SW846-6010A	N	632	mg/kg	XJ
Selenium	PGDP-SW846-7740	UW	1	mg/kg	XJ
Silver	PGDP-SW846-6010A	U	4	mg/kg	XJ
Sodium	PGDP-SW846-6010A		369	mg/kg	XJ
Strontium	PGDP-SW846-6010A	*N	16.4	mg/kg	XJ
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	XJ
Vanadium	PGDP-SW846-6010A		15	mg/kg	XJ
Zinc	PGDP-SW846-6010A	*N	47	mg/kg	XJ
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	XJ
Cyanide	PGDP-SW846-9014	U	1	mg/kg	XJ

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194011SA010					
Station: 194-011	MEDIA: SO		Depth = 7 to 10 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	7640	mg/kg	XJ
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	XJ
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	XJ
Barium	PGDP-SW846-6010A	N	45.4	mg/kg	XJ
Beryllium	PGDP-SW846-6010A	U	0.5	mg/kg	XJ
Boron	PGDP-SW846-6010A	NU	100	mg/kg	XJ
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	XJ
Calcium	PGDP-SW846-6010A	NW	1190	mg/kg	XJ
Chromium	PGDP-SW846-6010A		11.4	mg/kg	XJ
Cobalt	PGDP-SW846-6010A		3	mg/kg	XJ
Copper	PGDP-SW846-6010A		4.38	mg/kg	XJ
Iron	PGDP-SW846-6010A	*NW	6410	mg/kg	XJ
Lead	PGDP-SW846-6010A	U	20	mg/kg	XJ
Lithium	PGDP-SW846-6010A		4.78	mg/kg	XJ
Magnesium	PGDP-SW846-6010A	*NW	957	mg/kg	XJ
Manganese	PGDP-SW846-6010A		34.9	mg/kg	XJ
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	XJ
Nickel	PGDP-SW846-6010A	U	5	mg/kg	XJ
Potassium	PGDP-SW846-6010A	N	219	mg/kg	XJ
Selenium	PGDP-SW846-7740	UW	1	mg/kg	XJ
Silver	PGDP-SW846-6010A	U	4	mg/kg	XJ
Sodium	PGDP-SW846-6010A		324	mg/kg	XJ
Strontium	PGDP-SW846-6010A	*N	9.16	mg/kg	XJ
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	XJ
Vanadium	PGDP-SW846-6010A		17.5	mg/kg	XJ
Zinc	PGDP-SW846-6010A	*N	21.2	mg/kg	XJ
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	XJ
Cyanide	PGDP-SW846-9014	U	1	mg/kg	XJ

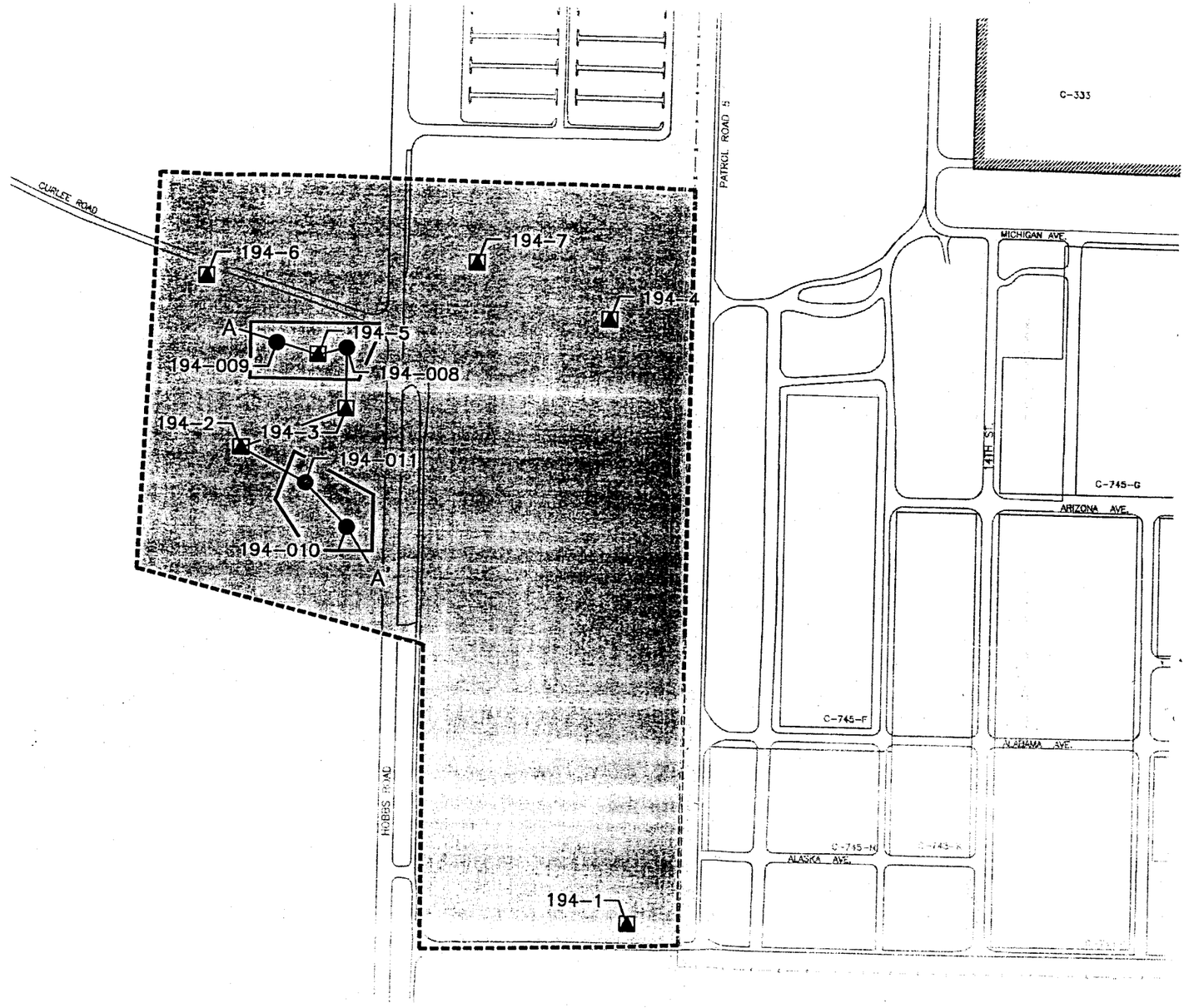
*V/A = Validation/Assessment

SWMU 194 WAG 28 – ANALYTICAL RESULTS
per DOE/OR/07-1846/V1 and V4&D1, January 2000

SWMU 194 - 8 Analytical Results

Analysis	Method	Lab Qualifier and Result		Units	V/A* Codes
Sample ID: 194011SA015					
Station: 194-011	MEDIA: SO		Depth = 12 to 15 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	5380	mg/kg	J
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	J
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	J
Barium	PGDP-SW846-6010A	N	20.5	mg/kg	J
Beryllium	PGDP-SW846-6010A	U	0.5	mg/kg	J
Boron	PGDP-SW846-6010A	NU	100	mg/kg	J
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	J
Calcium	PGDP-SW846-6010A	NW	568	mg/kg	J
Chromium	PGDP-SW846-6010A		21.3	mg/kg	J
Cobalt	PGDP-SW846-6010A		4.07	mg/kg	J
Copper	PGDP-SW846-6010A		2.41	mg/kg	J
Iron	PGDP-SW846-6010A	*NW	12400	mg/kg	J
Lead	PGDP-SW846-6010A	U	20	mg/kg	J
Lithium	PGDP-SW846-6010A		2.41	mg/kg	J
Magnesium	PGDP-SW846-6010A	*NW	415	mg/kg	J
Manganese	PGDP-SW846-6010A		37.8	mg/kg	J
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	J
Nickel	PGDP-SW846-6010A	U	5	mg/kg	J
Potassium	PGDP-SW846-6010A	N	153	mg/kg	J
Selenium	PGDP-SW846-7740	UW	1	mg/kg	J
Silver	PGDP-SW846-6010A	U	4	mg/kg	J
Sodium	PGDP-SW846-6010A	U	200	mg/kg	J
Strontium	PGDP-SW846-6010A	*N	3.92	mg/kg	J
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	J
Vanadium	PGDP-SW846-6010A		23.6	mg/kg	J
Zinc	PGDP-SW846-6010A	*N	18.1	mg/kg	J
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	J
Cyanide	PGDP-SW846-9014	U	1	mg/kg	J
Sample ID: 194011SA020					
Station: 194-011	MEDIA: SO		Depth = 17 to 20 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	6370	mg/kg	J
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	J
Arsenic	PGDP-SW846-7060	W	6.05	mg/kg	J
Barium	PGDP-SW846-6010A	N	14.6	mg/kg	J
Beryllium	PGDP-SW846-6010A		0.63	mg/kg	J
Boron	PGDP-SW846-6010A	NU	100	mg/kg	J
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	J
Calcium	PGDP-SW846-6010A	NW	628	mg/kg	J
Chromium	PGDP-SW846-6010A		23.3	mg/kg	J
Cobalt	PGDP-SW846-6010A		3.49	mg/kg	J
Copper	PGDP-SW846-6010A	U	2	mg/kg	J
Iron	PGDP-SW846-6010A	*NW	28000	mg/kg	J
Lead	PGDP-SW846-6010A	U	20	mg/kg	J
Lithium	PGDP-SW846-6010A	U	2	mg/kg	J
Magnesium	PGDP-SW846-6010A	*NW	390	mg/kg	J
Manganese	PGDP-SW846-6010A		56.7	mg/kg	J
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	J
Nickel	PGDP-SW846-6010A	U	5	mg/kg	J
Potassium	PGDP-SW846-6010A	N	164	mg/kg	J
Selenium	PGDP-SW846-7740	UW	1	mg/kg	J
Silver	PGDP-SW846-6010A	U	4	mg/kg	J
Sodium	PGDP-SW846-6010A	U	200	mg/kg	J
Strontium	PGDP-SW846-6010A	*N	2.86	mg/kg	J
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	J
Vanadium	PGDP-SW846-6010A		44.8	mg/kg	J
Zinc	PGDP-SW846-6010A	*N	22	mg/kg	J
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	J
Cyanide	PGDP-SW846-9014	U	1	mg/kg	J
Sample ID: 194011SA030					
Station: 194-011	MEDIA: SO		Depth = 27 to 30 feet		
METAL					
Aluminum	PGDP-SW846-6010A	*NW	3840	mg/kg	J
Antimony	PGDP-SW846-6010A	NU	20	mg/kg	J
Arsenic	PGDP-SW846-7060	UW	5	mg/kg	J
Barium	PGDP-SW846-6010A	N	11.9	mg/kg	J
Beryllium	PGDP-SW846-6010A		1.28	mg/kg	J
Boron	PGDP-SW846-6010A	NU	100	mg/kg	J
Cadmium	PGDP-SW846-6010A	U	2	mg/kg	J
Calcium	PGDP-SW846-6010A	NW	348	mg/kg	J
Chromium	PGDP-SW846-6010A		44.1	mg/kg	J
Cobalt	PGDP-SW846-6010A		5.56	mg/kg	J
Copper	PGDP-SW846-6010A		2.37	mg/kg	J
Iron	PGDP-SW846-6010A	*NW	31700	mg/kg	J
Lead	PGDP-SW846-6010A	U	20	mg/kg	J
Lithium	PGDP-SW846-6010A	U	2	mg/kg	J
Magnesium	PGDP-SW846-6010A	*NW	170	mg/kg	J
Manganese	PGDP-SW846-6010A		109	mg/kg	J
Mercury	PGDP-SW846-7471	U	0.2	mg/kg	J
Nickel	PGDP-SW846-6010A		12.8	mg/kg	J
Potassium	PGDP-SW846-6010A	NU	100	mg/kg	J
Selenium	PGDP-SW846-7740	UW	1	mg/kg	J
Silver	PGDP-SW846-6010A	U	4	mg/kg	J
Sodium	PGDP-SW846-6010A	U	200	mg/kg	J
Strontium	PGDP-SW846-6010A	*NU	2	mg/kg	J
Thallium	PGDP-SW846-6010A	NU	15	mg/kg	J
Vanadium	PGDP-SW846-6010A		57.4	mg/kg	J
Zinc	PGDP-SW846-6010A	*N	61.8	mg/kg	J
WETCHEM					
Chromium, hexavalent	PGDP-SM-3500-Cr D 17	JU	0.5	mg/kg	J
Cyanide	PGDP-SW846-9014	U	1	mg/kg	J

V/A = Validation/Assessment



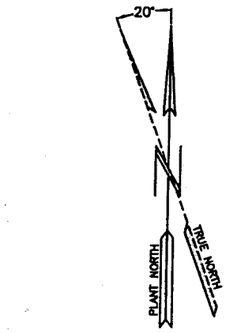
LEGEND

- SWMU 194
- SECURITY FENCE
- DPT LOCATION
- SOIL BORING AND GROUND WATER SAMPLES
- FORMER LEACH FIELD
- A–A' CROSS–SECTION LINE

NOTES

1.) THE FOLLOWING ARE HISTORICAL SAMPLING LOCATIONS.

194–1 194–2
194–3 194–4
194–5 194–6
194–7



0 300 600

FEET

TN & A Engineering and Science — TN & Associates, Inc.

PADUCAH GASEOUS DIFFUSION PLANT

WAG 28 – SWMU 194
SAMPLE LOCATION AND SITE MAP

FIGURE 3.17 JANUARY, 2000

AutoCAD File: 1999006-8310-B-0004.DWG

Data Collected from Sediment near Outfall 017

Collected	Qualifiers	Results	Units	Det Lim	Counting Error	Lab	Method	Footnote
K017								
METAL	**Uranium**							
9/2/99	X	3.87	pCi/g	1.38	5.37	PGDP	RL-7124	
PPCB	**PCB-1016**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1221**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1232**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1242**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1248**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1254**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1260**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**PCB-1268**							
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
PPCB	**Polychlorinated biphenyl**							
5/16/94	U	100	ug/kg			PGDP	SW846-8080	
9/2/99	U	100	ug/kg	100		PGDP	SW846-8082	
RADS	**Alpha activity**							
9/2/99		16.38	pCi/g	6.74	6.42	PGDP	RL-7119	
9/2/99		10.18	pCi/g	1.89	1.53	PGDP	RL-7111	
RADS	**Americium-241**							
9/2/99	A	-0.0197	pCi/g	0.094	0.0395	PGDP	RL-7124	
RADS	**Beta activity**							
9/2/99		6.69	pCi/g	0.83	0.6	PGDP	RL-7111	
9/2/99		7.49	pCi/g	2.52	1.95	PGDP	RL-7119	
RADS	**Neptunium-237**							
9/2/99	A	-0.0047	pCi/g	0.047	0.0094	PGDP	RL-7124	
RADS	**Plutonium-239/240**							
9/2/99		0.0244	pCi/g	0.0098	0.0072	PGDP	RL-7120	
RADS	**Technetium-99**							
9/2/99		0.373	pCi/g	0.233	0.191	PGDP	RL-7115	
RADS	**Thorium-230**							
9/2/99		0.684	pCi/g	0.1	0.0405	PGDP	RL-7120	

Lab Qualifiers

A Analyzed but not detected at the analyte quantitation limit.
U Analyte analyzed for but not detected at or below the lowest concentration reported.
X Other specific flags and footnotes may be required to properly define the results.

PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3874
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (1"- 6")
Sampled From: K017 A
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-196
Date Sample Completed: 19-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:35
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:35
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:35
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:35
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:35
	U-235	.7	wt.%		SE LEIDECKER		19-APR-1990 07:30

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3875
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (1"- 6")
Sampled From: K017 B
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-197
Date Sample Completed: 19-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:36
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:36
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:36
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:36
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:36
	U-235	.7	wt.%		SE LEIDECKER		19-APR-1990 07:30

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3876
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (1"- 6")
Sampled From: K017 C
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-198
Date Sample Completed: 19-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:36
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:36
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:36
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:36
	U	2	ug/G		SE LEIDECKER		19-APR-1990 07:31
	U-235	.7	wt.%		SE LEIDECKER		19-APR-1990 07:31

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3877
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (6"- 12")
Sampled From: K017 A
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-199
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:38
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:38
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:38
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:38
	U	3	ug/G		SE LEIDECKER		18-APR-1990 20:38
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:38

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3878
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (6"- 12")
Sampled From: K017 B
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-200
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:39
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:39
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:39
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:39
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:39
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:39

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3879
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 FLUME (6"- 12")
Sampled From: K017 C
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-201
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:40
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:40
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:40
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:40
	U	3	ug/G		SE LEIDECKER		18-APR-1990 20:40
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:40

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3880
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (1"- 6")
Sampled From: K017 A
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-202
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:40
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:40
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:40
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:40
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:40
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:40

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3881
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (1"- 6")
Sampled From: K017 B
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-203
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:41
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:41
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:41
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:41
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:41
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:41

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3882
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (1"- 6")
Sampled From: K017 C
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-204
Date Sample Completed: 18-APR-1990
Sampled By: MGK/NRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:42
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:42
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:42
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:42
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:42
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:42

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3883
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (6"- 12")
Sampled From: K017 A
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-205
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:43
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:43
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:43
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:43
	U	3	ug/G		SE LEIDECKER		18-APR-1990 20:43
	U-235	.70	wt.%		SE LEIDECKER		18-APR-1990 20:43

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

4w

Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3884
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (6"- 12")
Sampled From: K017 B
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-206
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:43
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:43
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:43
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:43
	U	1	ug/G		SE LEIDECKER		18-APR-1990 20:43
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:43

Approved By: RE BYRD
Date Approved: 19-APR-1990

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PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

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Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3885
Date Sample Received: 5-APR-1990
Sample Date: 4-APR-1990 00:00:00
Material Description: K-017 APRON (6"- 12")
Sampled From: K017 C
Comment: 5-POINT COMPOSITE DIRT
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 900405-207
Date Sample Completed: 18-APR-1990
Sampled By: MGK/WRB
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	0	ng/G		SE LEIDECKER		18-APR-1990 20:44
	Pu-239	n/a	ng/		SE LEIDECKER		18-APR-1990 20:44
	Tc-99	n/a	ug/		SE LEIDECKER		18-APR-1990 20:44
	Th-230	n/a	ng/		SE LEIDECKER		18-APR-1990 20:44
	U	2	ug/G		SE LEIDECKER		18-APR-1990 20:44
	U-235	.71	wt.%		SE LEIDECKER		18-APR-1990 20:44

Approved By: RE BYRD
Date Approved: 19-APR-1990

PGDP, Analytical Chemistry Department, Results of Analyses, Customer Sample Numbers RC-3874 through RC-3885 and RC-3136 per DOE/OR/07-1846/V1 and V4&D1, January 2000

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Paducah Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: ET
Customer Sample Number: RC-3136
Date Sample Received: 26-OCT-1989
Sample Date: 25-OCT-1989 00:00:00
Material Description: CYLINDER YARD H-P SURVEY
Sampled From: C-745
Comment:
TSR Number:

Sample Matrix: SOLIDS
Lab Sample Number: 891026-020
Date Sample Completed: 14-DEC-1989
Sampled By: ARH
Project #:
Sampling Proc:

Proc No.	Analysis	Result	Units	Qualifiers	Analyst	Date Analyzed	Date Completed
R	Np-237	<1	ng/G		JW SHELBOURNE		14-DEC-1989 14:35
	U-235	NA			JW SHELBOURNE		14-DEC-1989 14:35
	Uranium	<1	ug/G		JW SHELBOURNE		14-DEC-1989 14:35

Approved By: JW SHELBOURNE
Date Approved: 18-DEC-1989

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